

Meyer Burger Tile

The innovative solar roof tile for more yield on the roof

Product type: MB_BF6B1B_17

Heterojunction high performance solar roof tiles with SmartWire Connection Technology (SWCT®)



Made in Europe. Designed in Switzerland.

Production and development according to European quality standards.



Extremely versatile

Complementary to various roof tiles¹ and suitable for new construction and renovation projects.



Extremely durable

Very long product life, hailproof and classified as hard roofing.



Consistently sustainable

Regional added value, no use of lead and PFAS, produced with 100% renewable energy.



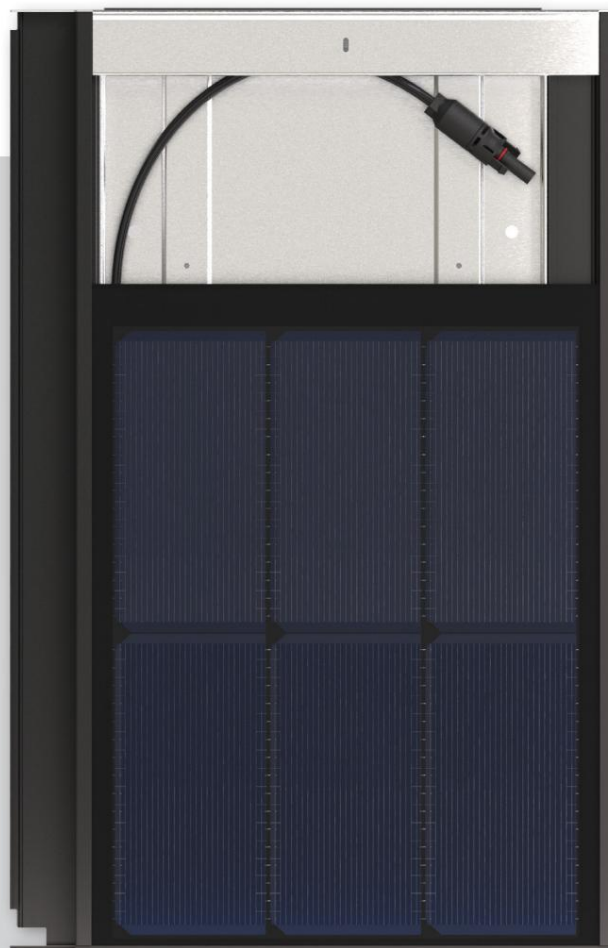
Guaranteed reliable

Industry-leading 30-year product and performance warranty.



Extremely aesthetic

Elegant Swiss design suitable for all tile roof shapes and sophisticated architecture.



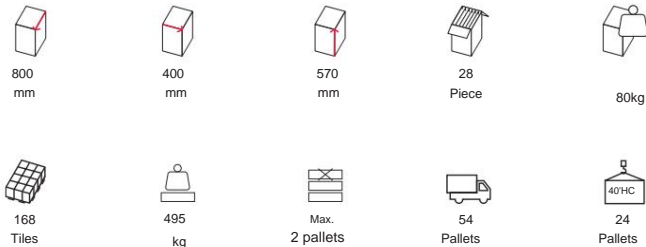
Private systems
(roof-integrated)



Commercial systems
(roof-integrated)



packagings



Mechanical data

| | |
|-------------------------------------|---|
| Dimensions L x W x H [mm] | 521.2 x 334.0 x 26.3 |
| Weight [kg] | 2.8 |
| Cover width [mm] | 300.0 |
| Deck length [mm] | 340.0 |
| Number of tiles [n/m ²] | 10 |
| Min. roof pitch 2 [°] | γ 35 |
| Front cover | Solar glass 3.2 mm, structured |
| Back cover | Float glass 3.0 mm |
| Housing | Powder-coated aluminum [RAL 9005] |
| Solar cell type | 6 half cells, mono n-Si, HJT with SWCT® |
| Junction box | 1 diode, IP68 according to IEC 62790 |
| Cable | PV cable 4 mm ² , 0.5 m long according to EN 50618 |
| Plug | 1: PV-GZX1500, according to IEC 62852, IP68 Connection |

Electrical data 3

Product type: MB_BF6B1B_17

| Minimum power (power tolerance +/- 0.3 W) | | STC4 | |
|---|------------------|---------------------|------|
| Module performance 5 | P _{max} | [Wp] | 17.0 |
| Area performance | P/A | [W/m ²] | 167 |
| Short circuit current | I _{sc} | [A] | 10.1 |
| Open circuit voltage | V _{oc} | [V] | 2.2 |
| Electricity | I _{mpp} | [A] | 9.1 |
| Tension | V _{mpp} | [V] | 1.9 |
| Efficiency | γ | [%] | 16.7 |

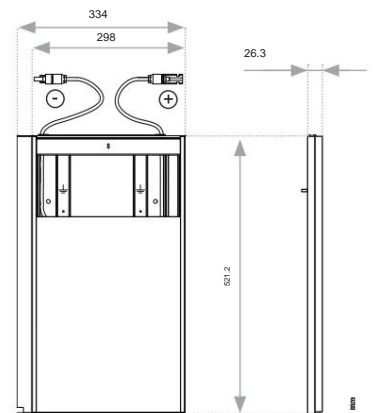
Temperature coefficients 6

| | | | |
|------------------------------|---|-------|--------|
| Temperature coefficient ISC | γ | [%/K] | +0.033 |
| Temperature coefficient VOC | γ | [%/K] | -0.234 |
| Temperature coefficient PMPP | γ | [%/K] | -0.259 |

Certification

General building inspection certificate (abP), fire protection class / Broof (t1) (EN 13501-5), hail test with 55 mm hailstone according to VKF (HW5), mechanical load test: + 9,000 Pa

Certifications pending: IEC 61215:2021, IEC 61730:2016



construction

| | |
|----------------------------------|---|
| Roof battens/substructure | Requirements according to manufacturer's instructions for complementary bricks ¹ |
| cabling | horizontal stringing |
| screw connection | Mounting with 4 screws |
| Special complementary partners 1 | Snow guard holder, roof step etc. |

Design features system design

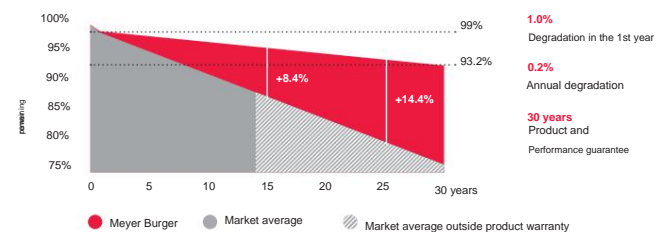
| | | |
|------------------------------------|---------------------------|------------|
| Maximum voltage of the system | [V] | 1000 |
| Reverse Current Capacity (OCPR) | [A] | 15 |
| Max. test load +/- | [pa] | 9000/2400 |
| Max. design load +/- | [pa] | 6000/1600 |
| Fire protection class (EN 13501-5) | Hard roofing / BRoof (t1) | |
| Ambient temperature | [°C] | -40 to +45 |

* (Safety factor for test load = 1.5)

Meyer Burger Guarantees5

| | | |
|--------------------------------|-------|------------------------|
| Product guarantee | [J] | 30 |
| Performance guarantee | [J] | 30 |
| Performance after 1 year | | γ 99% of rated power |
| Annual decrease in performance | [%/y] | 0.20 |
| Performance after 30 years | | γ 93.2% of rated power |

Linear performance guarantee



1 complementary brick e.g. Braas Tegalt, Nelskamp Planum, Creton Kapstadt
 2 Roof pitches of up to γ 20° are possible with rainproof sub-roofs
 3 Measurement according to IEC 61096-3, measurement tolerance: ±3%
 4 According to STC: irradiance 1,000 W/m², module temperature 25 °C, spectrum AM1.5G
 5 The guarantee conditions apply
 6 The temperature coefficients mentioned are linear values

Note: All data and specifications are preliminary and subject to change at any time.

Visit us at meyerburger.com/tile

